

FIGURE 1

CGGCTGTGTGGCAGTCTTCATGGGTTCCGACGAGGAGGTCTCTGTGGCTGCGGCGGCTGCTAACTGCGCCACCTGCTGCAGCCTGTCCCGCGGCTCTGAAGCGGCGGCTCGAAGC 120

M P P P R T G R G L L W L G L V L S S V C V A L G S E T Q A N S T I D A L W Y 39

CGAAATGCGGCCACCCCGGACCGGCCGAGGCCCTTCTGTGGCTGGGTCTGGTCTGAGCTCCGTCTGCGTGGCTCGGCTCGGATCCGAAACGCGAGGCCAACTCGACCACAGATGCTCTGAACGT 240

L L L I I V D D L R P S L G G Y G D K L V R S P M I D Q L A S H S L L F Q M A F A 79

TCCTTCATCATCGTGGATGACCTGCGCCCCCTCCCTGGGCTGTTATGGGGATAAGCTGGTGAGGTCCGCAATATYACCAACTGGCATCCACAGCCCTCTCTCCAGAAATGCCCTTTC 360

Q Q A V C A P S R V S F L T G R R P D T T R L Y D F M S Y W R V H A G N F S T I 119

GCAGCAAGCAGTGTGCGCCCCGAGCCGCTTCTTCTCTCACTGGCAGGAGACCTGACACCACCCGCTGTACGACTCAACTCTACTGGAGGGTGCACGGTGGAAACTTCTCCACCAT 480

P Q Y F K E N G Y V T M S V G K V F H P G I S S N H T D D S P Y S W S F P P Y K 159

CCCCAGTACTTCAAGGAGAAATGGCTATGTGACCATGTGCGTGGGAAAAGTCTTTCACCTGGGATATCTTCTAACCATACCGATGATCTCCGTATAGCTGGTCTTTTCCACCTTATCA 600

P S S E K Y E N T K Y C R G P D G E L H A N L L C P V D V L D V P E G T L P D K 199

TCCTTCTCTGAGAAGTATGAAAACACTAAGACATGTGAGGGCCAGATGGAGAACTCCATGCCAACCTGCTTTCGCTGTGGATGTGCTGGATGTTCGCGAGGGCAGCTTGCCTGACAA 720

Q S T E Q A I Q L L E K M K T S A S P F F L A V G Y H K P H I P F R Y P K E F Q 239

ACAGAGCACTGAGCAAGCCATACAGTTGTGGAAAGATGAAAACGTGAGCCAGTCCCTTCTCTGCGCGTGGGTATCATAAGCCACACATCCCTTCAGATACCCCAAGGAATTTCA 840

K L Y P L E N I T L A P D P E V P D G L P P V A Y N P U M D I R O R E D V Q A L 279

GAAGTGTATCCCTGGAGAACATCACCTGGCCCCGATCCGAGGTCCCTGATGGCTACCCCTGTGGCTACACCCCTGGATGGACATCAGGCAACGGGAAGACGTCCAAGCCCT 960

N I S V P Y G P I P V O F Q R K I R Q S Y F A S V S Y L D T Q V G R L L S A L O 319

AAACATCAGTGTGCGGTATGGTCCAATTCCTGTGGACTTTCAGCGGAAAATCCGCCAGAGCTACTTTCGCTGTGTGATATTGGATACACAGGTGCGCGCGCTCTGAGTGTCTTGA 1080

D L Q L A N S T I I A F T S D H G W A L G E H G E W A K Y S N F D V A T H V P L 359

CGATCTTCAGCTGGCCAAACAGCACCATCATTTGCAATTTACCTCGGATCATGGTGGGCTCTAGGTGAACATGGAGAAATGGGCCAAATACAGCAATTTTGATGTTGCTACCATGTTCCCT 1200

I F Y V P G R T A S L P E A G E K L F P Y L D P F D S A S O L M E P G R O S M D 399

GATATTCATGTTCTGGAAAGGAGGCTTCACTTCCGAGGCGAGGCGAGAAGCTTTTCCCTTACCTCGACCCCTTTGATTCGCGCTCACAGTTGATGGAGCCAGGCAATCCATGGA 1320

L V E L V S L F P T L A G L A G L O V P P R C P V P S F H V E L C R E G K M L L 439

CCCTGTGGAACTGTGTCTCTTTTCCACGCTGGCTGGACTTGCAGGACTGCAGGTTCACCTCGCTGCGCCGTTCTTCATTTACGTTGAGCTGTGCAGAGAAAGCAAGAACCTTCA 1440

K H F R F R D L E E D P Y L P G W P R E L I A Y S O Y P R P S D I P Q W H S D K 479

GAAGCATTTTCGATTCGCTGACTTGAAGAGGATCCGTACCTCCCTGGTAATCCCGTGAACCTGATTGCTATAGCCAGTATCCCGGCGCTTCAGACATCCCTCAGTGGAAATTCGACAA 1560

P S L K D I K I N G Y S I R T I D Y R Y T V W V G F N P D E F L A N F S D I H A 519

GCGGAGTTTAAAGATATAAGATCATGGGCTATTCCATACGCCACATAGACTATAGGTATATGTGTGGTGGCTTCAATCCTGATGAATTTCTAGCTAACTTTTTCGACATCCATGC 1680

G E L Y F V D S D P L Q D H N M Y N D S O G G D L F O L L M P 550

AGGGGAAGTGTATTTGTGGATTCTGACCCATTCAGGATCACAAATGTATAATGATCCCAAGGTGGAGATCTTTCCAGTTGTGATGCCTTGAGTTTGCACCAATGGATGGCAA 1800

ATGTGATGTCTCCCTTCAGCTGGTGAGAGGAGGAGTACAGCTGGTGGTGTGATTACCCATAATATGGAAAGCAGCTGAGGGCTAGTTAAATCCAAACATGCATCAACAATTTGG 1920

CCTGAGAATATGTAAACAGCCAAACCTTTTCGTTAGTCTTTATTTAAATTTATAATTTGGTAATTTGGACCACTTTTCTTTTAAATTTCCCTCTTTTAAACAGTTACGGCTTATTTACGT 2040

AATAATACAAAGCAAACTCAAGTTATGTATACCTTTGGATACGAAGACCATACATAATAACCAACATAACATATACACAAAGAACTTTCATTATTTGTGGAAATTTAGTGC 2160

ATTTCAAAAGTAATCATATATCAAACTAGGCCACCACTAAGTTCTCTGATTATTTTGTATATAATTTAAATATATCTTATGAGCCCTATATTTCAAAATATTATGTTAACATGTAA 2280

TCATGTTTCTTTTCC 2297

CGGCTGTGTGGCAGTCTTCATGGGTTCCGACGAGGAGGTCTCTGTGGCTGCGGCGGCTGCTAACTGCGCCACCTGCTGCAGCCTGTCCCGCGGCTCTGAAGCGGCGGCTCGAAGC

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FIGURE 2

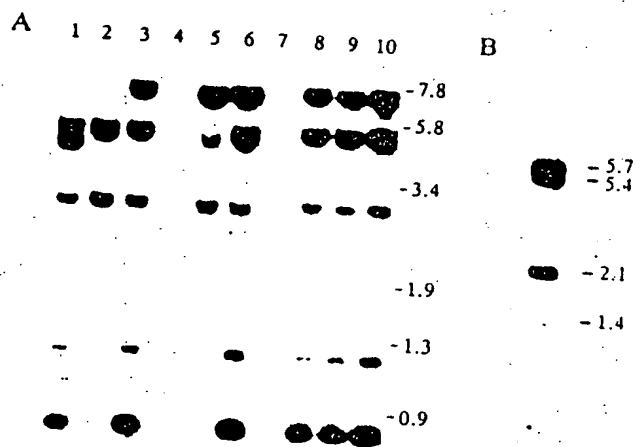


FIGURE 3

2 HPPPRTCRGLLLGLVLSVCVALGSETQANST
6
A HGAPRSLLALAAAGLAVA
B HGPRGAASLPRGPGPRRLLLPVVPLLLLLLAPPGSGA
C MPLRKKIIPFLLFFLWEAES
U HKSAPFLFLLGLLGLVTAQTQDPAALLDRLLENPDLLSLLLQSNHR

2 TDALNVLLIIVDLR - PS LGCYGDKLVRS PNIDQASHSLLFQNAFAQAVDTSRVSFITOR
6 TRRPNVVLLLTDDQ - EVLGGMTPLKTKALIGEM - GHTFSSAYVPSALTPSRASILTOR
A RPPNIVLIFADLGLGYDGLCYGHPSTTPNLDQLAAGGLRFTDFYVPVSLTPSRASILTOR
B GASRPPHVLFLADLGLVNDVG - FIGSRIRTPHDLAAGGVLLDNYTQ - PLTPSRASILTOR
C HAASRPNIILVHADLGLGDPGCGYGNKTIPTPNIDRLASGGVKTQHLAASPLTPSRASILTOR
U APLVKPNVLLVADLHGSGDLTSYCHPTQEAQFIDKMAEGLRFTNGYGVDAVTPSRASILTOR

2 RPDITRLYD - FN - SYVRVHAGNFSTIPQYFXEN - GYTHSVGV - FHPCISSNHTDDSP - YSWSPFPYHPS - SEKYENTKTCRGPDE - LIA
6 YPHNHUVN - NTLEGNCSSKSWQIQEPNTFPAILRSHGCVYTFACK - YLNEYCAPDAGGLEHVPL - GWSYVYALEKNS - KYNYTSLSINKARK - H
A LPVRMGHYP - GVLV - PSSRGGLPLEEVTVAEVLAR - GYTHSVGV - WHLGCV - PEGAFLLPHQGFIRFLGIPYSH - DQGPCQNLTCFPPATP - C
B YQIRTLQH - QIIW - PCQPSVPLDEKLLPQLKEA - GYTHSVGV - WHLGCV - RKEC - LPTRRGFDTYFGYLLGS - EDYYSHERCTLIDAL - N
C YPVRSGMASVSRGTGVL - FTASSGGLPTDEITFAKLLKQ - GYTHSVGV - WHLGCV - WHLGCHSCHSKTDFCIUPLIHCFTNYFYGISLTNLRDCKPCEGSVFTTGKRLVFLPLQIVGVTLTIA
U LPVRIGTFC - ETRVFL - PWTKTGLPKSELTIAEAKKEA - GYTHSVGV - WHLGCV - WHLGCHSCHSKTDFCIUPLIHCFTNYFYGISLTNLRDCKPCEGSVFTTGKRLVFLPLQIVGVTLTIA

2 NLLCPVDVLDVPEGLTPDKQSTEQATQLLEKMTSASPFLLAVGYHKKPHIPFRYPKEFKLY - PLENITLAPDPEVPCGLPPVAINPMDIRQR - EDVQALNISVPYGPPIVDF
6 GENYSVDYLTDLA - NVSLDF - LDYKSNDEFFHMIATPAPHSPTAAPQYKAFQNVFAPRNKFNH - GTNKHVLI - ROAKTPM
A DCCGDCQLVPIPL - LANSVEAQPPLPGLLEARYMAFADHMAAQQRDPFFLYASHIITHYPO
B VTRC - ALD - FRDGEVATGYKMYSTNIFTKRAIALITN - HPPEKPLFLYALQSVHEPL
C ALNC - LGLLHVPLG - VFFSLLFLAALITLFLGP - LUYFRPLNCF - HMYNVEIIQQPHSYDNLTRLTVEAAQFIQ - RHTETPFLVLSYLVHITAL
U SQRC - YL - YVHATLVSPYQHKGLTQLFTDDALGFIED - HWDPPFLYVAFJHHTSL

2 - QRKIRQSYFASVSYLDTQ - CRLLSALDDQLANSTIIAFTSP - CHALGEHGEVAKYSHFDVATHVPLIFVYVPGRTASLHAGEKLFPPYLDPFDSASQLHEPGRQSH
6 TN - SSIQFLDNAPFKRW - QTLSSVDDLVEKLVKRLFTGELNMVIFYTSNCHMITG - QFSL - PIDKRLVFDIKV - PLLVRGPGIK - PNQTSK
A - FSCQSFAERSGRGPGFSDHEDAACTMTAIGDLGLEELVIFTAPCPETHRMS - RCGCSGLL - RCGKGTITGCVRE - PALAFVPGHIAPCVT - H
B QVPEEYLKPYDFIQDKNRUYAGHVSLEDAVCHVTAAKSSGLVNNVVFIFSTHICQTL - AGGHNWPL - RGRKVSLEGGVRC - VGFVASPLLKQKGVKNR
C - FSSKDFACKSQHGVYGDVAEENDUS - QIILHLLDELRLANDLIYFTSDCHVEEVSSKGEI - HCGSNGIY - KGGKANNHGGIRV - PGLRUPRVIAQOKID
U - FSSDDFCTSRRCRYGDNLEMDAL - KIVDKLENNISENIIFFISILPHREYCE - ECGDASIF - RCGKSHSUGGIRI - PYIVYVPGTISPCIS - N

2 DLVELVSLFPLAGLAGLQVPPRCVPVPSFVLCRECKNLLKHFRFRDLEEDPYLPQPRELIAYSQYPRPSDIQVHSDKPSLKDKIKINGYSIRTIDYRYTVVVG
6 HLVANIDLGPILDIACYDLNKT - QMDGMSL - LPIRGASHLTVRSOVLVEYQGEGRVTDPTCPSPSGVSGQCPDCVEDAYNNYACVTRTHSALV - NLOQC -
A ELASSLDLPLAALAGAPLPHV - TLDGFDL - RPPAACHURQEPSAVSLLLPLPRCPVGFCCAD - WKVQCSLLHGPSAHSDDTAD - PAC -
B ELIHISDVLPILVKLARGHTNCTKPLDGFV - VKTISEGSPSP - RIELLJUNIDPNFVDS - SPCRNHAPAKDDSSLPESAFNTSVHAAIRHGWKLLTGYPGCGY
C EPTSHMDIFPVAKLAGAPLPEDRIIDGRDL - MPLLEKKSQRSDEHFLHYCHAYLNAVRVHPQNSTSIWKAFFFTPNFNPVGSNGCFAT - HVC -
U EIVTSHDITADLADLGGTTLTDRIDYCKSI - KDVLLGASAP - HSSFFYCKDHLMAVRVCKYKAIFRTQVRVSQDEYCLECAGG - FPL - EDY -

- FNPDE - FLANFSDIHAGE - LYFVDSOTLQDHMY - NDSQGGDLFQLLMP
6 - EFDDQEVFVUYMTADPQITNI - AKTIDPELLCKMYRLHMLQSCSGPTCRTPGVFDPGYR - FDPRLMF - SNRGSVTRTRFSKHLL
A - HASSSLTAHEPP - L - LYDLSKDPENYNLLGCVAGATPEVLQALKQLLKAQLDAAVTFCPSQVARGE - DPALQICCHPGCTPRACCHCPDPIA
B VFPFPPSYVSEIPSSOPPTKTLLVDFIDRDPERHDL - SREYPHIVTKLLSRQFYNIKISVPV - YFPAQ - DPR - CD - PKATGVVGPW
C - F - CFGSYVTHHDP - L - LFDISKPRERHPL - TPASEPRFYEILKVHQEAADRIQTLPVDPQFSUMFLUKPULQLCCP - STGLSCQCDREKQDKRLSR
U - FDCND - CEGDCVTEHDP - L - LFDLHMDI - EAYPL - EACGHEDVFLTVKSTVEIHKAAALVKCTPLDSDHSIVPCCNFANGCICMYVIEPCHPECYQDQVATAARINR

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FIGURE 4

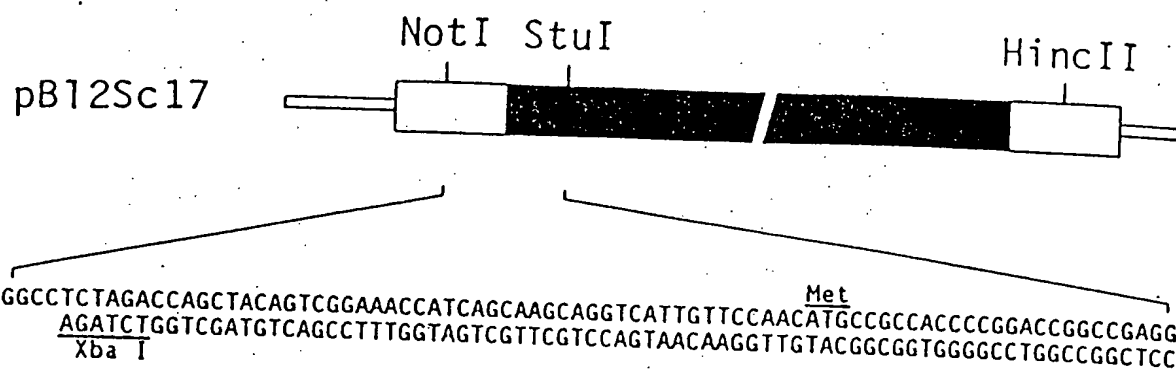
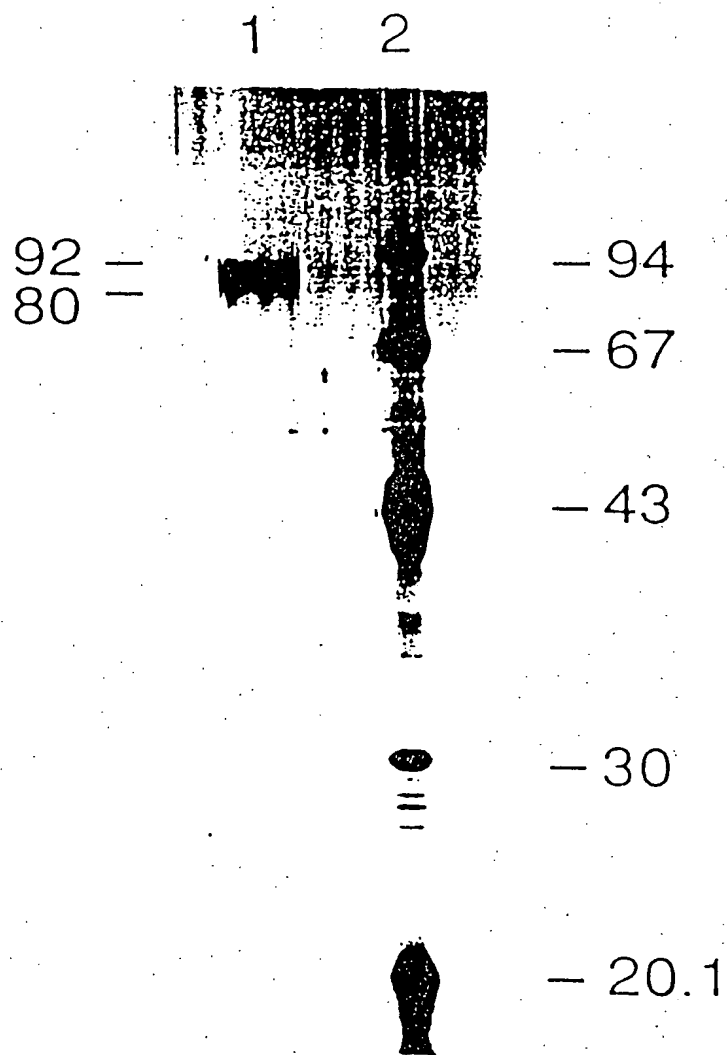
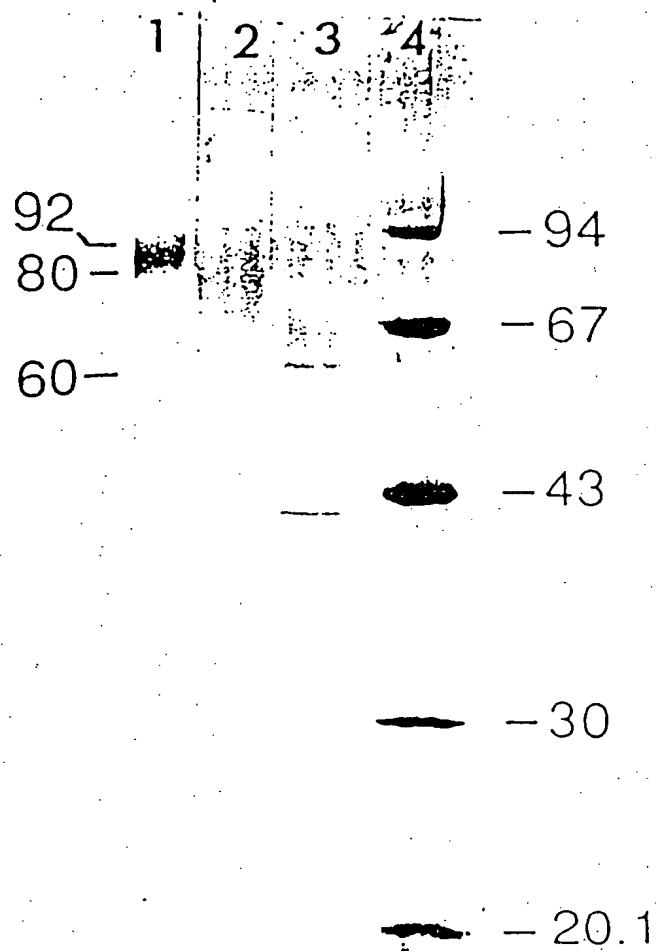


FIGURE 5



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FIGURE 6



Section 6 **Section 7**

[illegible]